

DoD Shelf-Life Extension System

SLES

MQCSS Data				Print
National Stock Number:				Feedback
Approved Item Name:				
Defect Characteristics Code:				
Inspection Type Code:				SL Code: SLC Challenge
Inspection Level Code:		Reinspection Months:		Shelf-Life Type:
Acceptable Quality Level:		Inspection Limit:		Shelf-Life Month:
Item Type Storage Code:		Hazardous Materiel Code:		Source of Supply Code:
Resources:	HMIRS website			
Technical Publications:				
Laboratory Remarks:				
Remarks:				
Record Last Updated:				

How to Interpret MQCSS & QSL data

Materiel Quality Control Storage Standards

Quality Status List

All data elements shown in this document
are for training purposes only.

Please view the SLES databases for the
most current MQCSS & QSL extension data.

MQCSS DATA ELEMENTS OVERVIEW

MQCSS includes approx. 20 data elements total

6 fields are fed to SLES from FLIS (Federal Logistics Information Service)

The screenshot shows the 'MQCSS Data' form interface. A yellow cloud callout with the text '6 FLIS fields' points to six specific fields highlighted with red boxes: 'National Stock Number:', 'Approved Item Name:', 'Item Type Storage Code:', 'Hazardous Material Code:', 'SL Code:', and 'Source of Supply Code:'. Other visible fields include 'Defect Characteristics Code:', 'First Inspection Month:', 'Inspection Level Code:', 'Acceptable Quality Level:', 'Resources:', 'Technical Publications:', 'Laboratory Remarks:', 'Remarks:', 'Record Last Updated:', 'Feedback:', 'SLC Challenge:', 'Shelf-Life Type:', and 'Shelf-Life Month:'. A 'Print' button is located in the top right corner.

- | | |
|--------------------------|------------------------------|
| 1. National Stock Number | 4. Source of Supply |
| 2. Approved Item Name | 5. Item Type Storage Code * |
| 3. Shelf-Life Code | 6. Hazardous Materiel Code * |

* If available

The remaining fields displayed on the next side are updated by SLES Administrators.

How to determine extendibility of an item of supply:

First, determine if all of the required MQCSS data elements are available in SLES

FOR VISUAL INSPECTION, the 4 elements highlighted here are required for extension:

MQCSS Data				Print
National Stock Number:	FLIS data			Feedback
Approved Item Name:	FLIS data			
Defect Characteristics Code:				
Inspection Type Code:				
Inspection Level Code:		Reinspection Months:		SL Code: SLC Challenge
Acceptable Quality Level:		Inspection Limit:		Shelf-Life Type:
Item Type Storage Code:	FLIS data	Hazardous Materiel Code:	FLIS data	Shelf-Life Month:
Resources:	HMIRS website			Source of Supply Code:
Technical Publications:				FLIS data
Laboratory Remarks:				
Remarks:				
Record Last Updated:				

This data should be used for training purposes only.

**If all 4 fields of extension criteria is not displayed in the SLES,
Then you should submit a “Feedback”.**

**The Product Specialist or Item Manager will research &
Update the MQCSS data for the NSN.**

All other fields shown can be helpful when included, however, they are not required to determine shelf-life extension.

When should you inspect your items of supply on-hand ?

For Type II items that have not been issued and will not be placed into service prior to the Inspect/Test Date:



If Required Inspection Type is **VISUAL**

First Inspection month is 6

The Shelf-Life extension process should begin 6 months prior to the Inspect/Test date.

MQCSS is the authority to extend visually tested materiel.

Inspections should take place while items are still in **Condition Code A!**

A



If Required Inspection Type is **LABORATORY**

First Inspection Month is 9

The Shelf-Life extension process should begin 9 months prior to the Inspect/Test date.

Materiel must PASS visual inspection prior to lab testing.

QSL may be used as the authority to extend lab tested materiel.

Prior to inspection: Is all required extension data present?

MQCSS Data				Print
National Stock Number:	8010013339817			Feedback
Approved Item Name:	PAINT,LATEX			
Defect Characteristics Code:	R2 R3 R4 S6 S7 S8 U3			
Inspection Type Code:	v			SL Code: SLC Challenge 6
Inspection Level Code:	Reinspection Months:	12		Shelf-Life Type: II
Acceptable Quality Level:	Inspection Limit:	1		Shelf-Life Month: 24
Item Type Storage Code:	Hazardous Materiel Code:			Source of Supply Code: SMS
Resources:	HMIRS website			
Technical Publications:	MPI #119			
Laboratory Remarks:				
Remarks:	MQCSS updated 5/3/16 in response to FSG 80 review.			
Record Last Updated:	5/3/2016 9:58:10 AM			

This data should be used for training purposes only.

In this example - YES, all required extension data is displayed.

1. Defect Characteristics = R2, R3, R4, S6, S7, S8, U3
2. Inspection Type Code = 'V' (visual) only
3. Reinspection Months = 12
4. Inspection Limit = 1

Now let's understand what this data means...



If you print the record, the Defect Characteristics Codes will display on the page with the MQCSS Data.

MQCSS Data

[Print](#)

[Feedback](#)

National Stock Number: **8010013339817**

Approved Item Name: **PAINT,LATEX**

Defect Characteristics Code: **R2 R3 R4 S6 S7 S8 U3**

Inspection Type Code: **V**

SL Code: **SLC Challenge** **6**

Inspection Level Code: **Reinspection Months: 12** **Shelf-Life Type: II**

Acceptable Quality Level: **Inspection Limit: 1** **Shelf-Life Month: 24**

Item Type Storage Code: **Hazardous Materiel Code:** **Source of Supply Code: SMS**

Resources: [HMIRS website](#)

Technical Publications: **MPI #119**

Laboratory Remarks:

Remarks: **MQCSS updated 5/3**

Record Last Updated: **5/3/2016 9:58:10 A**

[Click here to print this page](#)

MQCSS Data

National Stock Number: **8010013339817**

Approved Item Name: **PAINT,LATEX**

Defect Characteristics Code: **R2 R3 R4 S6 S7 S8 U3**

Inspection Type Code: **V**

Inspection Level Code: **Reinspection Months: 12** **Shelf-Life Type: II**

Acceptable Quality Level: **Reinspection Limit: 1** **Shelf-Life Month: 24**

Resources: [HMIRS website](#)

Technical Publications: **MPI #119**

Remarks: **MQCSS updated 5/3/16 in response to FSG 80 review.**

Record Last Updated: **5/3/2016 9:58:10 AM**

QSL Data for NSN: 8010013339817

No QSL Data found.

[Visit the QSL Test Labs page.](#)

Defect Characteristics Codes

R2	Unsecured, leaking, rusted, contaminated, bulged, dented, distorted, or significantly damaged (containers).
R3	Not securely attached, unclear, illegible, or incorrect (markings).
R4	Hard settling, caking, jelling, skinning, curdling, seeding, rusting, putrefaction, separation (Coatings)
S6	Not free from grits, seeds, lumps (Coatings)
S7	Abnormal thickening, livering, pigment flotation or excessive settling (Coatings).
S8	Trace of particulate matter suspended or settled (Coatings).
U3	Evidence of reaction between the container and its contents.

What is the inspection type code for the NSN?

Example #1

MQCSS Data				Print
NSN / Stock Number:	8010013339817			Feedback
Approved Item Name:	PAINT,LATEX			
Defect Characteristics Code:	R2 R3 R4 S6 S7 S8 U3			
Inspection Type Code:	V			SL Code: SLC Challenge 6
Inspection Level Code:		Reinspection Months:	12 *	Shelf-Life Type: II
Acceptable Quality Level:		Inspection Limit:	1 *	Shelf-Life Month: 24
Item Type Storage Code:		Hazardous Materiel Code:		Source of Supply Code: SMS
Resources:	HMIRS website			
Technical Publications:	MPI #119			
Laboratory Remarks:				
Remarks:	MQCSS updated 5/3/16 in response to FSG 80 review.			
Record Last Updated:	5/3/2016 9:58:10 AM			

This data should be used for training purposes only.

In this example, the Inspection Type Code is 'V' (Visual only)

Next, you will inspect the materiel by using the 'Defect Characteristics Codes'

Remember - all items must 1st undergo VISUAL inspection !

The other Inspection Type Codes are shown a few slides down

L = Laboratory Inspection | M = Machine Testing | R = Restorative Action

(Note: *Reinspection month / *Inspection Limit are not critical for Lab tested items since QSL will determine test dates)

Defect Characteristics Codes

Example #1

In SLES, mouse-over the codes to view Defect Characteristics

The screenshot shows the 'MQCSS Data' form. The 'Defect Characteristics Code' field contains 'R2 R3 U3'. The 'Inspection Type Code' field contains 'V'. Annotations include:

- A callout for 'R2' pointing to a box: 'Unsecured, leaking, rusted, contaminated, bulged, dented, distorted, or significantly damaged (containers).'.
- A callout for 'U3' pointing to a box: 'Evidence of reaction between the container and its contents.'
- A callout for 'V' pointing to a box: 'Not securely attached, unclear, illegible, or incorrect (markings).'

Other fields visible include: National Stock Number, Approved Item Name, First Inspection Month, Inspection Level Code, Acceptable Quality Level, Inspection Type Code, Inspection Month, Inspection Limit, Hazardous Material Code, SI Code, Shelf-Life Type, Shelf-Life Month, Source of Supply Code, Laboratory Remarks, Remarks, and Record Last Updated.

Defect Characteristics Codes describe
WHAT TO LOOK FOR when visually inspecting
materiel to determine serviceability of the item.

Remember to perform all inspections listed as Defect Characteristics Codes

Example: Code 'R2' = Unsecured, leaking, rusted, contaminated, bulged, dented, etc.

Interpretation: During the visual inspection, if any of the characteristics listed are present when inspecting the container, then this materiel is unusable, therefore you cannot extend the materiel.

(A full list of defect characteristics codes with descriptions may be found in the Joint Service Regulation DLAR 4155.37)

PRIOR to Visual inspection, check the Inspection Limit!

Example #1

MQCSS Data		Print
National Stock Number:	8040001429193	Feedback
Approved Item Name:	ADHESIVE	
Defect Characteristics Code:	R2 R3 U3	
First Inspection Month:	6	Inspection Type Code: V
Inspection Level Code:	S-2	SI Code: Late Challenge 4
Acceptable Quality Level:	1.5	Shelf-Life Type: II
Item Type Storage Code:		Shelf-Life Month: 12
Resources:	HMIRS website	Source of Supply Code: SMS
Technical Publications:	A-A 3097	
Laboratory Remarks:		
Remarks:		
Record Last Updated:	5/5/2015 2:31:50 PM	

The inspection limit = the number of extensions possible.

How to determine if Inspection Limit is exceeded?

STEP 1 of 2:

How many DD Form 2477 extension labels are fixed on the packaging?

*(This example NSN can have a **maximum of 1 extension label** in addition to the original manufacturer package markings – it can only be extended 1 time)*

If this item already has already been extended 1 time as determined by the presence of DD Form 2477, then the shelf-life of the materiel has reached it's end and should be disposed of.

Can Shelf-Life be extended? or Has Shelf-Life ended?

Example #1

MQCSS Data

National Stock Number: 8040001429193

Approved Item Name: ADHESIVE

Defect Characteristics Code: **R2 R3 U3**

First Inspection Month: 6

Inspection Level Code: S-2

Acceptable Quality Level: 1.5

Item Type:

Resource:

Technical:

Laboratory:

Remarks:

Record Last Updated: 5/5/2015 2:31:50 PM

Inspection Type Code: **V**

Reinspection Months: **12**

Inspection Limit: **1**

Shelf-Life Month: **12**

Shelf-Life Type: IT

Source of Supply Code: SMS

Feedback

Challenge

Max Age = 24 Months

The Reinspection Months = the number of months to extend

STEP 2 of 2:

Add total time of all possible extensions to Date of Manufacture and compare to current date.

Calculate: DOM from package markings + 12 months Shelf-Life + 12 re-inspection months

DOM 02/2014 + 12 months Shelf-Life + 12 re-inspection months (24 months maximum age)
First Inspection date = 02/2015, material must be used or disposed of no later than 02/2016

If visual inspection passes, you may extend the shelf-life of the material 12 months from the original expiration date. The total time of shelf-life for this item is 24 months.

Shelf-Life Extension Notice

DD Form 2477 w/ MQCSS markings

(Example for training purposes only)

Using the example on the previous slide - DOM is 02/14, inspection should take place within 6 months prior to 02/15

If visual inspection passes – extend for 12 months from original expiration date

Next Insp/Test date is 02/16

(in this case, the inspection limit is '1', so this date will mean end of shelf-life for this materiel)

Information from
Original Package
Markings

Results of
Visual
Inspection



SHELF-LIFE EXTENSION NOTICE	
PER DOD 4140.27-M, CONTAINERS REQUIRE RE-MARKING WITH EXTENDED SHELF-LIFE DATA. UNITS OF ISSUE REQUIRE RE-MARKING UPON OPENING CONTAINER.	
NSN:	8040-00-142-9193
CONTRACT NUMBER:	ABC01XYZ-10-B123
LOT/BATCH NUMBER:	C010203
DATE TESTED:	12/14
NEXT INSP/TEST DATE:	02/16
AUTHORITY:	MQCSS (QSL, MQCSS, Other)
INSPECTED BY:	YOUR ACTIVITY – Mr. Joe Brown (Activity and Inspector's Name or Number)

DD FORM 2477-2, APR 1999

PREVIOUS EDITION MAY BE USED.

PRIOR to Visual inspection, check the Inspection Limit!

Example #2

MQCSS Data Print

General Stock Number: 7520013656126 Feedback

Approved Item Name: MARKER ASSORTMENT, TUBE TYPE

Defect Characteristics Code: **R2 R3 S2**

First Inspection Month: 12 Inspection Type Code: **V** SL Code: **5**

Inspection Level Code: **S-4** Reinspection Months: 1st 9 2nd 6 3rd 3 Shelf-Life Type: **II**

Acceptable Quality Level: 2.5 Inspection Limit: **3** Shelf-Life Month: 18

Item Tube Storage Code: Hazardous Material Code: Source of Supply Code: GSA

Laboratory Remarks:

Remarks: Not securely attached, unclear, illegible, or incorrect (markings). 0209

Record Last Updated:

Unsecured, leaking, rusted, contaminated, bulged, dented, distorted, or significantly damaged (containers).

Blobbing, skipping, dotting and varying density of line intensity (Pens/Markers/Refills).

The inspection limit = the number of extensions possible.

How to determine if Inspection Limit is exceeded?

STEP 1 of 2:

How many DD Form 2477 extension labels are fixed on the packaging?

*(This example NSN can have a **maximum of 3 extension labels** in addition to the original manufacturer package markings – it can be extended a maximum of 3 times)*

If this item already has already been extended 3 times as determined by the presence of DD Form 2477, then the shelf-life of the materiel has reached it's end and should be disposed of.

Now let's discuss materiel which requires Visual & Laboratory testing






When Type II materiel reaches inspect/test date and it requires Visual Inspection & Laboratory Testing, **always accomplish Visual inspection FIRST.**

Only after passing visual inspection should you use the QSL to see if your exact **LOT/BATCH** has been tested and/or extended.



QSL extension data is valid only if the shelf-life stock has been stored per applicable storage standards as stated in [FLIS Procedures Manual DOD 4100.39](#), Vol 10, Table 182

What is the inspection type code for the NSN?

MQCSS Data			
National Stock Number: 6850014649125			 Print Feedback
Approved Item Name: ANTIFREEZE			
Defect Characteristics Code: R2 S4 S8			
First Inspection Month: 27	Inspection Type Code: V & L 	SL Code: SLC Challenge	7
Inspection Level Code:	Reinspection Months: 030 *	Shelf-Life Type:	II
Acceptable Quality Level:	Inspection Limit: 3 *	Shelf-Life Month:	2
Item Type Storage Code:	Hazardous Material Code:	Source of Material Code:	SMS
Resources:	HMIRS website 		
Technical Publications:	A-A-52624		
Laboratory Remarks:			
Remarks:			
Record Last Updated:	4/5/2012 4:20:54 PM		

This data should be used for training purposes only.

In this example, the Inspection Type Code is 'V & L' (Visual & Laboratory)

**If the materiel passes ALL visual inspections,
check the QSL to see if your LOT/BATCH has been tested & extended.**

(See slide 21 for detailed lot/batch information)

- * Note: Reinspection Months & Inspection Limit are not critical on Laboratory tested items with QSL data as the Laboratory results will provide Next Insp/Test Date (test due)



Select the PRINT button to print the data set with the QSL results available in the database.

MQCSS Data

National Stock Number: 6850014649125
Approved Item Name: ANTIFREEZE
Defect Characteristic Code:
First Inspection Month:
Inspection Level Code:
Acceptable Quality Level:
Item Type Storage Code:
Resources:
Technical Publications:
Laboratory Remarks:
Remarks:
Record Last Update:

[Click here to print this page](#)

Combined MQCSS / QSL Search

MQCSS Data

National Stock Number: 6850014649125
Approved Item Name: ANTIFREEZE
Defect Characteristics Code: R2 S4 S8
First Inspection Month: 27 Inspection Type Code: V & L Shelf-Life Code: 7
Inspection Level Code: Reinspection Months: 030 Shelf-Life Type: II
Acceptable Quality Level: Inspection Limits: 3 Shelf-Life Month: 36
Item Type Storage Code: Hazardous Material Code: Source of Supply Code: SMS
Resources: HMIRS website
Technical Publications: A-A-52624
Laboratory Remarks:
Remarks:

QSL Data for NSN: 6850014649125

Noun	Contract Number	Lot/ Batch	Spec	Date Manuf.	Last Test	Test Due	Cond. Code	Issue To	SoS	Lab Code	Last Update
	406-05-D-4082	LDR0208	A-A-52624		022011	000000	H	DRMO		WPA	3/3/2011
	406-05-D-4052	LDR0307	A-A-52624		112012	112015	A	ALL		WPA	12/13/2012
	4AR-07-D-000X	M10-12/09	A-A-52624			032016	A	AF		WPA	3/11/2013
	4AR-07-D-000X	M10-02/10	A-A-52624			042016	A	AF		WPA	4/8/2013
	4AR-07-D-000X	M10-9/09	A-A-52624			042016	A	AF		WPA	4/8/2013
	406-05-D-4082	LDR0907	A-A-52624		072013	072016	A	AF		WPA	7/17/2013
	4AR-07-D-000X	FGAE03	A-A-52624		092013	092016	A	AF		WPA	9/23/2013
Antifreeze	4AR-07-D-000X	LDR 10/14/2011	A-A-52624	10/1/2011	122014	122017	A	ALL		WPA	12/4/2014
	SPM4AR07D000X	019	A-A-52624		012015	012018	A	ALL	S9G	PTL	3/4/2015
Antifreeze	4AR-07-D-000X	187	A-A-52624	6/1/2012	062015	062018	A	ALL		WPA	6/17/2015
Antifreeze	4AR-07-D-000X	194	A-A-52624	6/1/2012	062015	062018	A	ALL		WPA	6/17/2015
Antifreeze	4AR-07-D-000X	438	A-A-52624	11/1/2012	082015	082018	A	ALL		WPA	9/2/2015
Antifreeze	4AR-07-D-000X	475	A-A-52624	11/1/2012	082015	082018	A	ALL		WPA	9/2/2015
Antifreeze	4AR-07-D-000X	514	A-A-52624	11/1/2012	082015	082018	A	ALL		WPA	9/2/2015

Defect Characteristic Codes
R2: Unsecured, leaking, rusted, contaminated, bulged, dented, distorted, or significantly damaged (containers).
S4: Inhomogeneous solutions with evidence of separation, sediment, putrefaction or other degradation (Liquid Chemicals).
S8: Trace of particulate matter suspended or settled (Coatings).

How to tell if your Lot/Batch is in the QSL – Method 1

Combined MQCSS/QSL Search

Default search will return available data for both MQCSS and QSL databases.

The default return for QSL in this search will display results for:

- 1) **Active PASSED** (Condition Code 'A') plus
(Active QSL data has been tested within 4 years)
- 2) **ALL FAILED** (Condition Code 'H')
(Failed tests display in red)

If your lot/batch IS listed in QSL, then the item has already been tested by a DOD approved lab.

EX: You have materiel on hand for this NSN.

- Your lot/batch # is 187
- Verify the Contract Number (4AR-07-D-000X)
- Verify the DOM (6/1/2012)
- This item was tested in the 6th month of 2015
- QSL for this lot/batch was updated on 6/17/2015
- The Condition Code is 'A' (extendible)
- The Test Due date is when the item should be subjected to inspection/testing again. 06/2018

If your lot/batch IS NOT listed in the QSL, this indicates that it has NOT been tested.

See slide 21 for more information.

Combined MQCSS / QSL Search

Tip: Use optional * for wildcard searches. (ex: "9*" or "9" return all values that begin with 9).
[More search tips](#) | [New features overview](#) | [Check Submitted Feedbacks](#)

Database: ☒ MQCSS ☐ QSL Category: NIIN/NSN Value: 6850014649125 Search

MQCSS Data Print

National Stock Number: 6850014649125 Feedback

Approved Item Name: ANTIFREEZE

Defect Characteristics Code: R2 S4 S8

First Inspection Month: 27 Inspection Type Code: V & L SL Code: SLC Challenge 7

Inspection Level Code: Reinspection Months: 030 Shelf-Life Type: II

Acceptable Quality Level: Inspection Limit: 3 Shelf-Life Month: 36

Item Type Storage Code: Hazardous Material Code: Source of Supply Code: SMS

Resources: [HMIRS website](#)

Technical Publications: A-A-52624

Laboratory Remarks:

Remarks:

Record Last Updated: 4/5/2012 4:20:34 PM

QSL Data for NSN: 6850014649125

Contract Number	Lot/Batch	Spec	Date Manuf.	Last Test	Test Due	Cond. Code	Issue To	SoS	Lab Code	Last Update
05-D-4082	LDR0208	A-A-52624		022011	000000	H	DRMO		WPA	3/3/2011
406-05-D-4052	LDR0307	A-A-52624		112012	112015	A	ALL		WPA	12/13/2012
4AR-07-D-000X	M10-12/09	A-A-52624			032016	A	AF		WPA	3/11/2013
4AR-07-D-000X	M10-02/10	A-A-52624			042016	A	AF		WPA	4/8/2013
4AR-07-D-000X	M10-9/09	A-A-52624			042016	A	AF		WPA	4/8/2013
406-05-D-4082	LDR0907	A-A-52624		072015	072016	A	AF		WPA	7/17/2013
4AR-07-D-000X	FGAE03	A-A-52624		092013	092016	A	AF		WPA	9/23/2013
Antifreeze 4AR-07-D-000X	LDR 10/14/2011	A-A-52624	10/1/2011	122014	122017	A	ALL		WPA	12/4/2014
SPM4AR07D000	019	A-A-52624		012015	012018	A	ALL	S9G	PTL	3/4/2015
Antifreeze 4AR-07-D-000X	187	A-A-52624	6/1/2012	062015	062018	A	ALL		WPA	6/17/2015
Antifreeze 4AR-07-D-000X	194	A-A-52624	6/1/2012	062015	062018	A	ALL		WPA	6/17/2015
Antifreeze 4AR-07-D-000X	438	A-A-52624	11/1/2012	082015	082018	A	ALL		WPA	9/2/2015
Antifreeze 4AR-07-D-000X	475	A-A-52624	11/1/2012	082015	082018	A	ALL		WPA	9/2/2015
Antifreeze 4AR-07-D-000X	514	A-A-52624	11/1/2012	082015	082018	A	ALL		WPA	9/2/2015

Cancel

How to tell if your Lot/Batch is in the QSL – Method 2

QSL default

Combined MQCSS / QSL Search

Tip: Use the wildcard "*" for wildcard searches. (ex: "9*" or "9" return all values that begin with 9).
[View search tips](#) | [New Features overview](#) | [Check Submitted Feedbacks](#)

Database: ☐ MQCSS ☒ QSL Category: NIIN/NSN Value: 6850014649125 Search

☐ CBRN Data Only ☐ Show Archived

QSL search for "6850014649125" in category "QSL NIIN/NSN" returned 13 record(s). [Export](#) [Print](#)

Display: **10** per page Page 1 of 1: 1

Display	Noun	Contract Number	Lot/ Batch	Spec	Date Man.	Last Test	Test Due	Cond. Code	Issue To	Source of Supply	Lab Code	Last Update
6850014649125		406-05-D-4052	LDR0307	A-A-52624		112012	112015	A	ALL		WPA	12/13/2012
6850014649125		4AR-07-D-0003	M10-12/09	A-A-52624			032016	A	AF		WPA	3/11/2013
6850014649125		4AR-07-D-0003	M10-02/10	A-A-52624			042016	A	AF		WPA	4/8/2013
6850014649125		4AR-07-D-0003	M10-9/09	A-A-52624			042016	A	AF		WPA	4/8/2013
6850014649125		406-05-D-4082	LDR0907	A-A-52624		072013	072016	A	AF		WPA	7/17/2013
6850014649125		4AR-07-D-0003	FGAE03	A-A-52624		092013	092016	A	AF		WPA	9/23/2013
6850014649125	Antifreeze	4AR-07-D-0003	LDR 10/14/2011	A-A-52624	10/1/2011	122014	122017	A	ALL		WPA	12/4/2014
6850014649125	SPM4AR07D000X		019	A-A-52624		012015	012018	A	ALL	SSG	PTL	3/4/2015
6850014649125	Antifreeze	4AR-07-D-0003	187	A-A-52624	6/1/2012	062015	062018	A	ALL		WPA	6/17/2015
6850014649125	Antifreeze	4AR-07-D-0003	194	A-A-52624	6/1/2012	062015	062018	A	ALL		WPA	6/17/2015
6850014649125	Antifreeze	4AR-07-D-0003	438	A-A-52624	11/1/2012	082015	082018	A	ALL		WPA	9/2/2015
6850014649125	Antifreeze	4AR-07-D-0003	475	A-A-52624	11/1/2012	082015	082018	A	ALL		WPA	9/2/2015
6850014649125	Antifreeze	4AR-07-D-0003	514	A-A-52624	11/1/2012	082015	082018	A	ALL		WPA	9/2/2015

QSL Search only

Default search will return available data for the QSL database only.

(10 records display in QSL query by default)

Select to display up to 1,000 records per page from the 'Display' drop-down box if needed.

The default return for QSL in this search will display results for:

- 1) **Active PASSED** (Condition Code 'A') plus
(Active QSL data has been tested within 4 years)
- 2) **ACTIVE FAILED** (Condition Code 'H')
(Active failed display in red, this NSN does not contain any active failed, so none are displayed)

If your lot/batch IS listed, this indicates that it has been tested;
use the QSL test results for extending your materiel on hand.

If your lot/batch IS NOT listed in the QSL, this indicates that it has NOT been tested.
See slide 21 for more information.

How to tell if your Lot/Batch is in the QSL – Method 3

QSL
Archived

QSL Archived

Combined MQCSS / QSL Search

optional: * for wildcard searches. (ex: "9" or "9" return all values that begin with 9).
[More search tips](#) | [New features overview](#) | [Check Submitted Feedback](#)

Database: ☐ MQCSS ☒ QSL Category: Value:

☐ CBRN Data Only ☒ Show Archived

QSL search for '6850014649125' in category 'QSL NIN/NSN' returned 21 record(s).

Display	per page	Noun	Contract Number	Lot/ Batch	Spec	Date Man.	Last Test	Test Due	Cond. Code	Issue To	Source of Supply	Lab Code	Last Update	
10			450-04-D-4033	LDR1004	A-A-52624		122007	122010	A	AF		WPA	1/2/2008	
50			450-04-D-4033	LDR1204	A-A-52624		012008	012011	A	AF		WPA	2/1/2008	
100			406-05-D-4082	LDR1205	A-A-52624		012009	012012	A	AF		WPA	1/12/2009	
200		ANTIFREEZE	SPM40605D4082	LDR0307	A-A-52624A		092009	092012	A	ALL	S9G	POE	10/6/2009	
300		ANTIFREEZE, MULTI ENGINE, TYPE I, CONCENTRATION 'A', (100%)	SPM40605D4082	LDR0906	A-A-52624A		062010	062013	A	ALL	S9G	POE	7/27/2010	
400		ANTIFREEZE, MULTI ENGINE, TYPE I, CONCENTRATION 'A', (100%)	SPM40605D4082002	LDR0907	A-A-52624A		062010	062013	A	ALL	S9G	POE	9/13/2010	
500		ANTIFREEZE, MULTI ENGINE, TYPE I, CONCENTRATION 'A', (100%)	SPM40605D4082002	LDR0906	A-A-52624A		062010	062013	A	ALL	S9G	POE	9/22/2010	
600			406-05-D-4082	LDR0208	A-A-52624		022011	000000	H	DRMO		WPA	3/3/2011	
700			406-05-D-4052	LDR0307	A-A-52624		112012	112015	A	ALL		WPA	12/13/2012	
800			4AR-07-D-000X	M10-12/09	A-A-52624			032016	A	AF		WPA	3/11/2013	
900			4AR-07-D-000X	M10-02/10	A-A-52624			042016	A	AF		WPA	4/9/2013	
1000			4AR-07-D-000X	M10-9/09	A-A-52624			042016	A	AF		WPA	4/8/2013	
			406-05-D-4082	LDR0907	A-A-52624		072013	072016	A	AF		WPA	7/17/2013	
			4AR-07-D-000X	FGAE03	A-A-52624		092013	092016	A	AF		WPA	9/23/2013	
		Antifreeze	4AR-07-D-000X	LDR 10/14/2011	A-A-52624		10/1/2011	122014	122017	A	ALL	WPA	12/4/2014	
		Antifreeze	SPM4AR07D000X	019	A-A-52624			012015	012018	A	ALL	S9G	PTL	3/4/2015
		Antifreeze	4AR-07-D-000X	187	A-A-52624		6/1/2012	062015	062018	A	ALL	WPA	6/17/2015	
		Antifreeze	4AR-07-D-000X	194	A-A-52624		6/1/2012	062015	062018	A	ALL	WPA	6/17/2015	
		Antifreeze	4AR-07-D-000X	438	A-A-52624		11/1/2012	082015	082018	A	ALL	WPA	9/2/2015	
		Antifreeze	4AR-07-D-000X	475	A-A-52624		11/1/2012	082015	082018	A	ALL	WPA	9/2/2015	
		Antifreeze	4AR-07-D-000X	514	A-A-52624		11/1/2012	082015	082018	A	ALL	WPA	9/2/2015	

Page 1 of 1: 1

QSL Search only – SHOW ARCHIVED

Default search will return available data for the QSL database only.

(10 records display by default)

This NSN contains 21 QSL records. You can select to display up to 1,000 records per page from the 'Display' drop-down box if needed.

The default return for QSL in this search will display results for:

- 1) **Active PASSED** (Condition Code 'A') plus
(Active QSL data has been tested within 4 years)
- 2) **ALL FAILED** (Condition Code 'H')
(Failed tests display in red)

NOTE: When a 'Test Due' date reaches 30 days past the date, the record becomes 'ARCHIVED' or hidden.



To return only CBRN (Chemical, Biological, Radioactive, Nuclear) materiel, select the check box next to 'CBRN Data Only'.



**To expand CBRN data, click on the + and the available data will be returned.
Clicking on the NSN hyperlink will open the record to display MQCSS data plus QSL data.**

+	C 6645015412423	TIMER,INTERVAL							
+	C 6645015412425	TIMER,INTERVAL							
+	C 6665011334064	M256A1 Detector Kit,Chemical Agent							
-	C 6665012265589	M9 Paper,Chemical Agent Detector							

<u>Contract Number</u>	<u>Lot Number</u>	<u>Date Manuf</u>	<u>Next Inspection Date</u>	<u>Condition Code</u>
	CCR00B309010	2/1/2000	2/1/2008	H
	CCR00F309011	6/1/2000	6/1/2008	H
	CCR00K309012	10/1/2000	10/1/2008	H
	CCR01B309013	2/1/2001	2/1/2009	H
	CCR01F309014	6/1/2001	6/1/2009	H
	CCR01K309015	10/1/2001	10/1/2009	H

What if your LOT/BATCH is not in the QSL?

If your lot/batch is not listed in the QSL, this indicates no one has sent the materiel to a DoD approved laboratory for shelf-life extension testing.

For most materiel, the owner is responsible for having their materiel tested and extended.

Typically the owner will factor in how much stock of that specific lot they have on hand, testing costs, transportations costs, disposal costs, availability of resupply, item criticality, etc. when determining if they should send their materiel in for shelf life extension testing.

If you are the OWNER, recommend checking the "Test Labs" page on the DoD website for labs capable of shelf-life extension testing.

If you are the STORAGE ACTIVITY, contact the owner for disposition instructions via a DD Form 1225 (Storage Quality Control Report).



Please keep in mind that shelf-life extension testing only extends shelf-life materiel that is unopened. Once materiel is opened, installed into its intended application, or introduced to mission requirements, shelf-life ends, service-life begins and shelf-life markings no longer apply.

Shelf-Life – Things to

REMEMBER



- ☐ Inspection criteria must be present in MQCSS to consider extending Type II Shelf-Life items.
- ☐ If data is not present, submit a Feedback request to update MQCSS.
- ☐ MQCSS is the authority to extend VISUALLY tested materiel.
- ☐ QSL may be used as the authority to extend lab tested materiel.
- ☐ All materiel must first undergo a VISUAL inspection.
- ☐ For items requiring LAB test, the item must PASS visual inspection using the defect characteristics codes prior to lab test.

Shelf-Life – Things to

REMEMBER



- ☐ **At VISUAL inspection, perform all inspections listed as Defect Characteristics.**
- ☐ **Adhere to Inspection Limit by paying attention to the number of extension labels on materiel.**
- ☐ **Re-inspection Months is the number of months you may extend the Shelf-Life of an item.**
- ☐ **If your exact Lot/Batch is not listed in the SLES QSL, then that Lot/Batch has not been tested.**

DO YOU STILL HAVE QUESTIONS ABOUT SHELF-LIFE?

[DOD Shelf-Life Manual 4140.27-M](#)

Official DOD Manual for the management of shelf-life materiel.

[Shelf-Life Computer Based Training](#)

(Approx 7 hours to complete)

[Shelf-Life Training Class](#)

Mechanicsburg, PA (Summer & Winter)

General Questions or Technical Issues?

E-mail: sles.dod@dla.mil